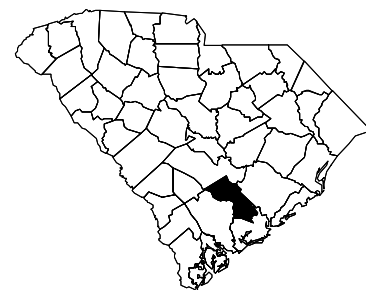


IMPACT OF CHRONIC CONDITIONS DORCHESTER County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Dorchester county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (41%) of the population are between the ages of 18-44. Dorchester county has more people under the age of 45 (67%) than the state (63%). There are more females (51%) than males(49%). Dorchester county has a lower minority population (29%) than the state (32%). When adults in Dorchester county were asked about their general health status, 74% reported having excellent, very good, or good health in 2002 (SC was 83%).

	DORCHESTER COUNTY	STATE
Population size	100,833	4,107,183
Age distribution (%)		
<18	26	24
18-44	41	40
45-64	24	24
65-84	8	11
85+	1	1
Race (%)		
White	72	68
Black & Other	29	32
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Dorchester county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	27
Sedentary lifestyle	36	42
Overweight	57	60
High Cholesterol	10	8

Some preventive measures such as and immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	26.4	.	.	.	.	28.4
Number of hospitalizations	77	48	29	34	43	5,173
Standard rate of hospitalizations (per 100,000)	88	209	46	88	87	125
Median age of hospitalized patients	60	55	70	48	73	63
Total cost of hospitalization (\$)	1,233,100	890,500	342,600	567,700	665,400	79,350,400
Average length of hospital stay (days)	5	5	4	5	5	5
Number of ED visits	131	78	53	50	81	7,306
Standard rate of ED visits (per 100,000)	135	301	74	108	158	175
Median age of ED patients	58	53	58	53	58	53
Total cost of ED visits (\$)	124,200	68,700	55,500	42,400	81,800	5,902,800
Number of deaths*	4	1	3	1	3	366
Standard death rate (per 100,000)*	6	4	6	2	7	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.03	.	.	.	.	5.13
Number of hospitalizations	565	112	453	336	229	30,831
Standard rate of hospitalizations (per 100,000)	656	519	702	872	481	734
Median age of hospitalized patients	63	58	63	63	68	68
Total cost of hospitalization (\$)	22,712,000	3,968,700	18,743,300	14,862,300	7,849,700	969,122,700
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	38	11	27	20	18	2,754
Standard rate of ED visits (per 100,000)	40	49	37	44	36	66
Median age of ED patients	58	48	58	68	58	63
Total cost of ED visits (\$)	123,100	23,300	99,800	59,700	63,400	10,617,900
Number of deaths*	171	43	126	86	85	9,723
Standard death rate (per 100,000)*	235	223	244	281	190	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.38	.	.	.	.	2.38
Number of hospitalizations	347	114	233	143	204	14,317
Standard rate of hospitalizations (per 100,000)	434	554	394	421	437	351
Median age of hospitalized patients	68	68	73	68	73	73
Total cost of hospitalization (\$)	7,436,300	3,233,100	4,203,200	3,399,900	4,036,400	279,819,700
Average length of hospital stay (days)	6	8	5	6	6	6
Number of ED visits	65	16	49	24	41	2,732
Standard rate of ED visits (per 100,000)	81	76	82	78	86	67
Median age of ED patients	65	60	75	68	63	73
Total cost of ED visits (\$)	143,200	33,400	109,800	52,300	90,900	6,322,600
Number of deaths*	54	15	39	19	35	2,816
Standard death rate (per 100,000)*	80	88	80	86	79	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	330	89	241	122	208	14,524
Standard rate of hospitalizations (per 100,000)	373	376	372	326	420	351
Median age of hospitalized patients	58	58	63	58	63	58
Total cost of hospitalization (\$)	6,275,300	1,808,700	4,466,600	2,135,900	4,139,400	198,700,700
Average length of hospital stay (days)	5	5	5	5	6	5
Number of ED visits	868	372	496	350	518	37,517
Standard rate of ED visits (per 100,000)	859	1,289	687	718	999	914
Median age of ED patients	28	23	28	23	33	33
Total cost of ED visits (\$)	710,100	273,900	436,200	285,400	424,700	30,607,600
Number of deaths*	37	9	28	16	21	1,891
Standard death rate (per 100,000)*	52	52	53	63	47	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.66	.	.	.	.	8.33
Number of hospitalizations	170	86	84	67	103	8,652
Standard rate of hospitalizations (per 100,000)	180	350	124	163	201	207
Median age of hospitalized patients	48	48	63	48	58	53
Total cost of hospitalization (\$)	3,075,000	1,646,600	1,428,400	1,679,500	1,395,500	127,167,500
Average length of hospital stay (days)	6	7	5	8	5	6
Number of ED visits	156	85	71	71	85	9,316
Standard rate of ED visits (per 100,000)	166	339	104	166	169	224
Median age of ED patients	48	48	53	48	58	53
Total cost of ED visits (\$)	148,600	83,600	65,000	58,400	90,200	8,261,100
Number of deaths*	23	15	8	3	5	1,114
Standard death rate (per 100,000)*	29	73	16	20	16	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	544	145	399	193	351	24,644
Standard rate of hospitalizations (per 100,000)	584	565	587	498	677	591
Median age of hospitalized patients	58	48	58	63	53	58
Total cost of hospitalization (\$)	15,419,300	3,406,800	12,012,500	7,522,900	7,896,400	605,119,300
Average length of hospital stay (days)	6	6	6	8	5	6
Number of deaths*	162	39	122	89	73	8,320
Standard death rate (per 100,000)*	202	199	207	269	155	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	45	5	40	20	25	2,113
Standard rate of hospitalizations (per 100,000)	54	18	66	55	51	51
Median age of hospitalized patients	68	53	70	68	68	68
Total cost of hospitalization (\$)	2,024,400	101,800	1,922,600	1,096,000	928,400	80,248,200
Average length of hospital stay (days)	10	6	11	11	9	10
Number of deaths*	19	8	11	14	5	807
Standard death rate (per 100,000)*	24	42	19	41	11	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	4	15	.	19	1,465
Standard rate of hospitalizations (per 100,000)	19	15	20	.	36	35
Median age of hospitalized patients	58	55	78	.	58	63
Total cost of hospitalization (\$)	214,200	37,500	176,700	.	214,200	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	7	2	5	-	7	630
Standard death rate (per 100,000)*	8	10	8	-	14	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	9	9	9	.	17	5
Median age of hospitalized patients	38	60	38	.	38	48
Total cost of hospitalization (\$)	151,900	38,100	113,800	.	151,900	3,668,300
Average length of hospital stay (days)	4	6	4	.	1	4
Number of deaths*	-	1	-	1	1	26
Standard death rate (per 100,000)*	-	1	-	2	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	53	11	42	30	23	2,154
Standard rate of hospitalizations (per 100,000)	59	48	63	76	46	51
Median age of hospitalized patients	68	63	68	68	63	68
Total cost of hospitalization (\$)	2,080,800	431,200	1,649,600	1,393,900	686,900	70,474,400
Average length of hospital stay (days)	8	8	8	9	8	9
Number of deaths*	45	7	37	23	22	2,481
Standard death rate (per 100,000)*	55	37	60	64	46	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	21	6	15	21	.	1,353
Standard rate of hospitalizations (per 100,000)	23	28	21	49	.	32
Median age of hospitalized patients	63	68	63	63	.	68
Total cost of hospitalization (\$)	413,000	125,700	287,300	413,000	.	24,726,200
Average length of hospital stay (days)	3	3	3	3	.	4
Number of deaths*	11	7	4	11	-	478
Standard death rate (per 100,000)*	15	41	7	47	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

For more information about

Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH
Bureau of Epidemiology
SC Department of Health and Environmental Control
1800 St. Julian Place, Suite 406
Columbia, SC 29204
Tel (803) 545-4920

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

